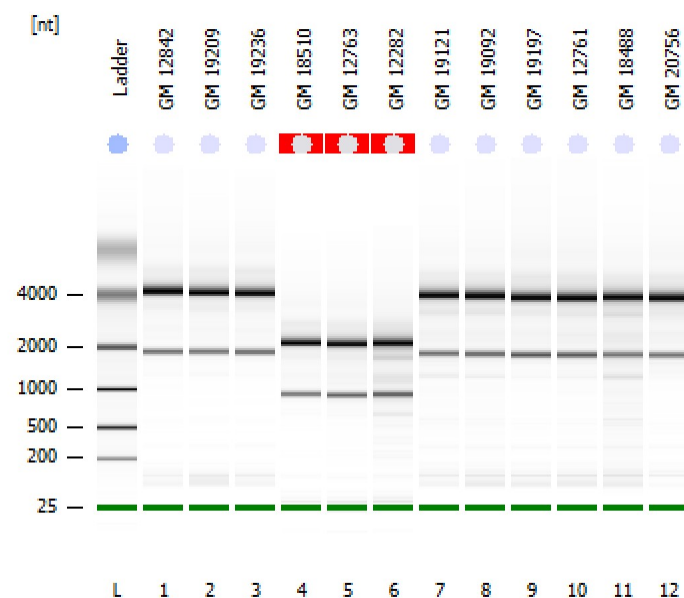


Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...Eukaryote Total RNA Nano_DE04105537_2011-10-24_09-10-05.xad

Created: 10/24/2011 9:10:05 AM
Modified: 10/24/2011 12:41:38 PM

Electrophoresis File Run SummaryInstrument Information:

Instrument Name: DE04105537

Firmware: C.01.069

Serial#: DE04105537

Type: G2938C

Assay Information:

Assay Origin Path: C:\Program Files\Agilent\2100 bioanalyzer\2100 expert\assays\RNA\Eukaryote Total RNA Nano Series II.xsy

Assay Class: Eukaryote Total RNA Nano

Version: 2.6

Assay Comments: Total RNA Analysis ng sensitivity (Eukaryote)

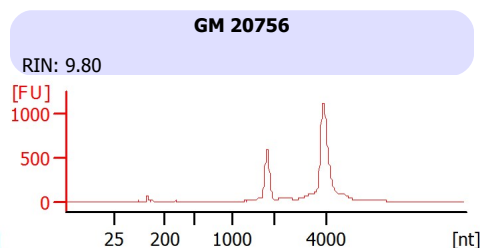
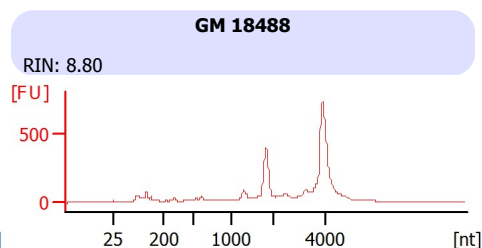
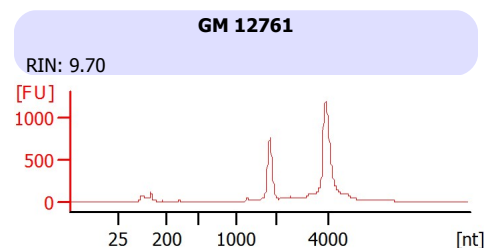
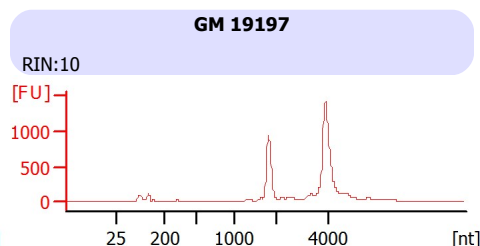
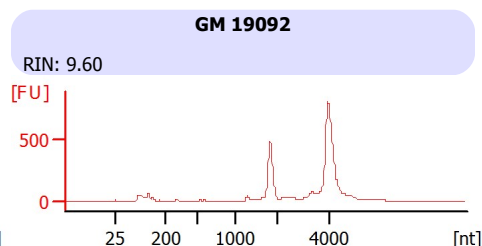
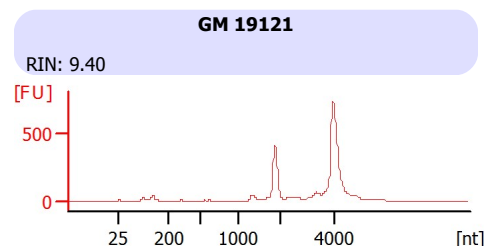
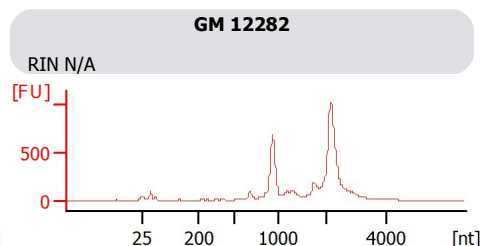
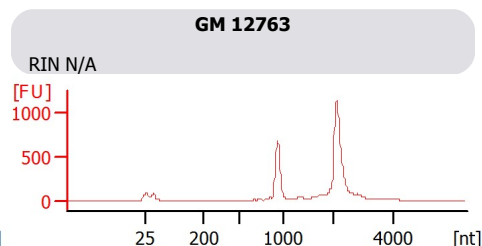
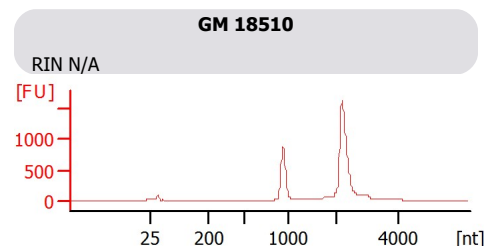
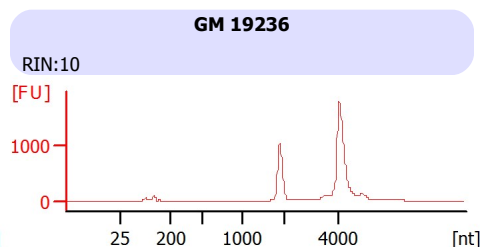
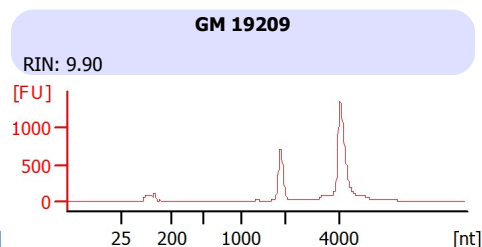
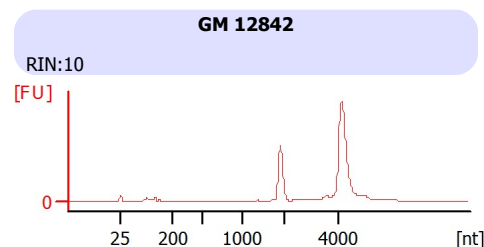
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Chip Information:

Chip Lot #:

Reagent Kit Lot #:

Chip Comments:



Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...Eukaryote Total RNA Nano_DE04105537_2011-10-24_09-10-05.xad

Created: 10/24/2011 9:10:05 AM
Modified: 10/24/2011 12:41:38 PM

Electrophoresis File Run Summary (Chip Summary)

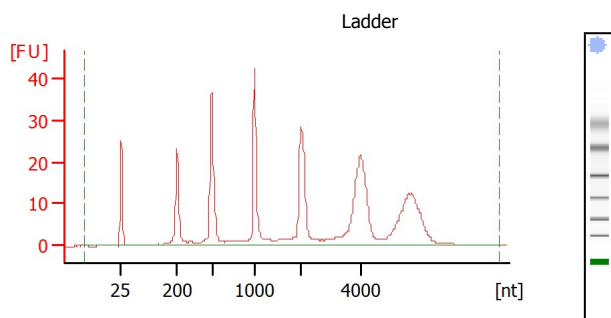
Sample Name	Sample Comment	Stat Result Label	Result Color
		us	
GM 12842		✓ RIN:10	
GM 19209		✓ RIN: 9.90	
GM 19236		✓ RIN:10	
GM 18510		✓ RIN N/A	
GM 12763		✓ RIN N/A	
GM 12282		✓ RIN N/A	
GM 19121		✓ RIN: 9.40	
GM 19092		✓ RIN: 9.60	
GM 19197		✓ RIN:10	
GM 12761		✓ RIN: 9.70	
GM 18488		✓ RIN: 8.80	
GM 20756		✓ RIN: 9.80	
Ladder		✓ All Other Samples	

Chip Lot #**Reagent Kit Lot #****Chip Comments :**

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...Eukaryote Total RNA Nano_DE04105537_2011-10-24_09-10-05.xad

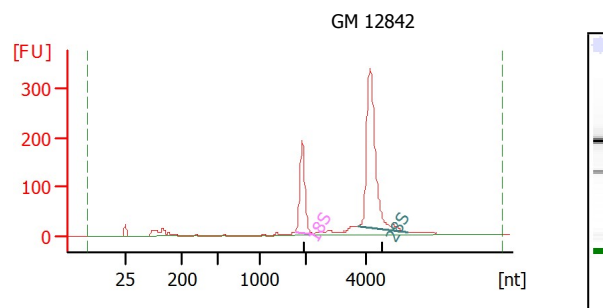
Created: 10/24/2011 9:10:05 AM
 Modified: 10/24/2011 12:41:38 PM

Electropherogram Summary



Overall Results for Ladder

RNA Area: 384.6
 RNA Concentration: 150 ng/μl
 Result Flagging Color:
 Result Flagging Label: All Other Samples

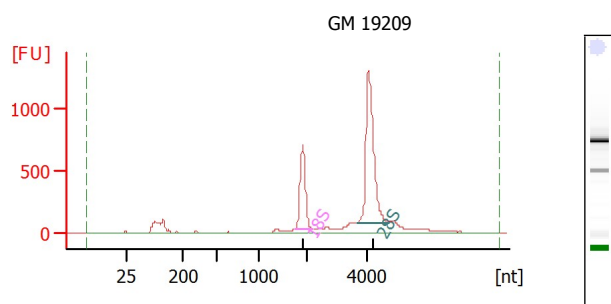


Overall Results for sample 1 : GM 12842

RNA Area: 1,482.7
 RNA Concentration: 578 ng/μl
 rRNA Ratio [28s / 18s]: 2.6
 RNA Integrity Number (RIN): 10 (B.02.08)
 Result Flagging Color:
 Result Flagging Label: RIN:10

Fragment table for sample 1 : GM 12842

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,763	2,215	289.1	19.5
28S	3,695	5,387	752.8	50.8

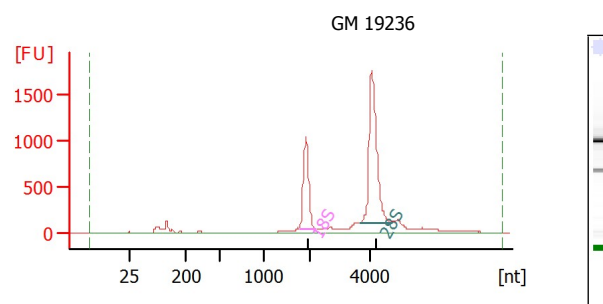


Overall Results for sample 2 : GM 19209

RNA Area: 6,030.3
 RNA Concentration: 2,352 ng/μl
 rRNA Ratio [28s / 18s]: 2.2
 RNA Integrity Number (RIN): 9.9 (B.02.08)
 Result Flagging Color:
 Result Flagging Label: RIN: 9.90

Fragment table for sample 2 : GM 19209

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,758	2,218	1,083.4	18.0
28S	3,703	4,754	2,416.4	40.1



Overall Results for sample 3 : GM 19236

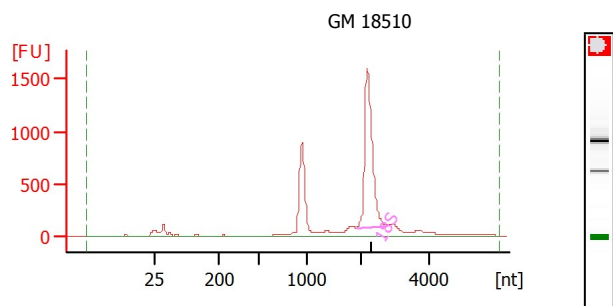
RNA Area: 7,881.5
 RNA Concentration: 3,074 ng/μl
 rRNA Ratio [28s / 18s]: 2.0
 RNA Integrity Number (RIN): 10 (B.02.08)
 Result Flagging Color:
 Result Flagging Label: RIN:10

Fragment table for sample 3 : GM 19236

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,751	2,191	1,632.1	20.7
28S	3,659	4,736	3,228.7	41.0

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...Eukaryote Total RNA Nano_DE04105537_2011-10-24_09-10-05.xad

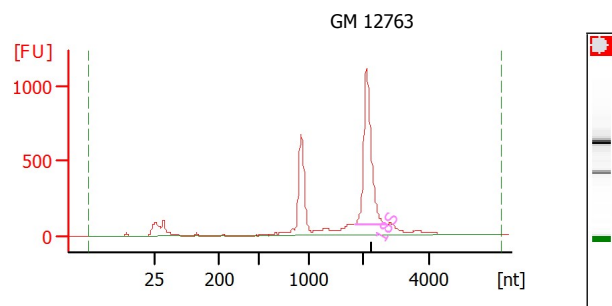
Created: 10/24/2011 9:10:05 AM
Modified: 10/24/2011 12:41:38 PM

Electropherogram Summary Continued ...**Overall Results for sample 4 : GM 18510**

RNA Area: 6,637.4
RNA Concentration: 2,589 ng/μl
rRNA Ratio [28s / 18s]: 0.0
RNA Integrity Number (RIN): N/A (B.02.08)
Result Flagging Color:
Result Flagging Label: RIN N/A

Fragment table for sample 4 : GM 18510

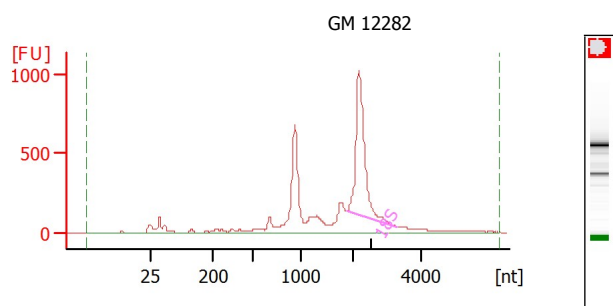
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,897	2,768	2,956.7	44.5

**Overall Results for sample 5 : GM 12763**

RNA Area: 5,178.6
RNA Concentration: 2,020 ng/μl
rRNA Ratio [28s / 18s]: 0.0
RNA Integrity Number (RIN): N/A (B.02.08)
Result Flagging Color:
Result Flagging Label: RIN N/A

Fragment table for sample 5 : GM 12763

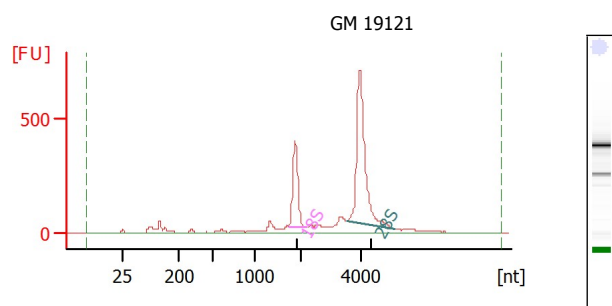
Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,864	2,707	2,041.6	39.4

**Overall Results for sample 6 : GM 12282**

RNA Area: 6,564.7
RNA Concentration: 2,561 ng/μl
rRNA Ratio [28s / 18s]: 0.0
RNA Integrity Number (RIN): N/A (B.02.08)
Result Flagging Color:
Result Flagging Label: RIN N/A

Fragment table for sample 6 : GM 12282

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,871	3,306	2,098.6	32.0

**Overall Results for sample 7 : GM 19121**

RNA Area: 3,664.5
RNA Concentration: 1,429 ng/μl
rRNA Ratio [28s / 18s]: 2.5
RNA Integrity Number (RIN): 9.4 (B.02.08)
Result Flagging Color:
Result Flagging Label: RIN: 9.40

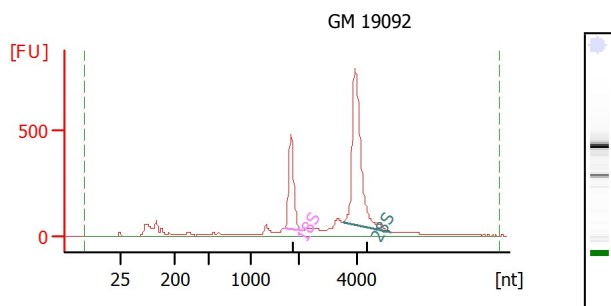
Fragment table for sample 7 : GM 19121

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,720	2,153	586.0	16.0
28S	3,549	5,187	1,458.8	39.8

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...Eukaryote Total RNA Nano_DE04105537_2011-10-24_09-10-05.xad

Created: 10/24/2011 9:10:05 AM
 Modified: 10/24/2011 12:41:38 PM

Electropherogram Summary Continued ...

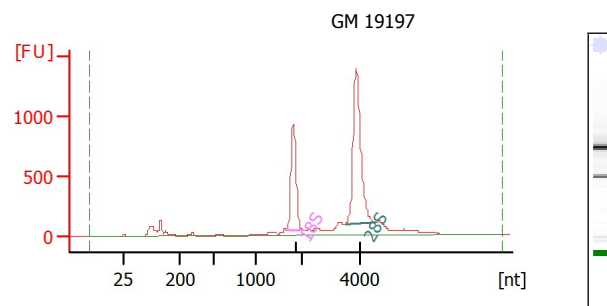


Overall Results for sample 8 : GM 19092

RNA Area: 4,398.3
 RNA Concentration: 1,716 ng/μl
 rRNA Ratio [28s / 18s]: 2.3
 RNA Integrity Number (RIN): 9.6 (B.02.08)
 Result Flagging Color:
 Result Flagging Label: RIN: 9.60

Fragment table for sample 8 : GM 19092

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,708	2,137	727.1	16.5
28S	3,553	5,183	1,686.5	38.3

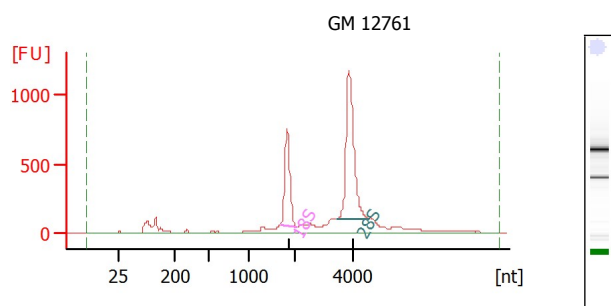


Overall Results for sample 9 : GM 19197

RNA Area: 7,175.3
 RNA Concentration: 2,799 ng/μl
 rRNA Ratio [28s / 18s]: 1.9
 RNA Integrity Number (RIN): 10 (B.02.08)
 Result Flagging Color:
 Result Flagging Label: RIN: 10

Fragment table for sample 9 : GM 19197

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,688	2,092	1,419.3	19.8
28S	3,497	4,544	2,637.8	36.8

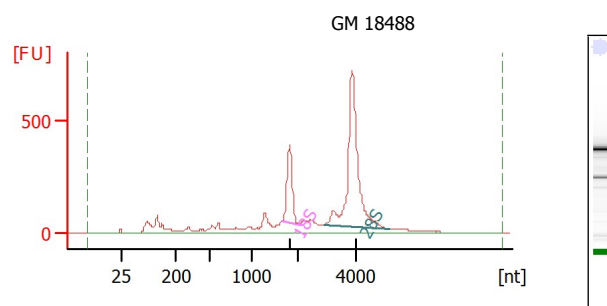


Overall Results for sample 10 : GM 12761

RNA Area: 6,634.8
 RNA Concentration: 2,588 ng/μl
 rRNA Ratio [28s / 18s]: 1.9
 RNA Integrity Number (RIN): 9.7 (B.02.08)
 Result Flagging Color:
 Result Flagging Label: RIN: 9.70

Fragment table for sample 10 : GM 12761

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,682	2,073	1,172.4	17.7
28S	3,475	4,531	2,264.0	34.1



Overall Results for sample 11 : GM 18488

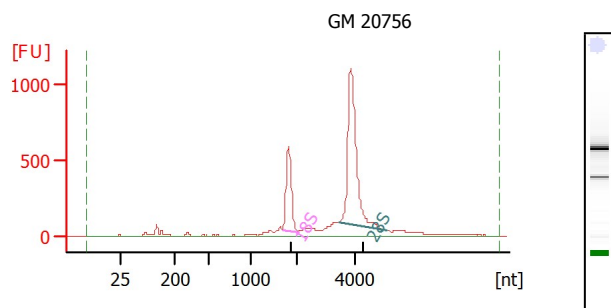
RNA Area: 4,848.0
 RNA Concentration: 1,891 ng/μl
 rRNA Ratio [28s / 18s]: 3.3
 RNA Integrity Number (RIN): 8.8 (B.02.08)
 Result Flagging Color:
 Result Flagging Label: RIN: 8.80

Fragment table for sample 11 : GM 18488

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,682	2,087	556.5	11.5
28S	2,911	5,181	1,824.9	37.6

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...Eukaryote Total RNA Nano_DE04105537_2011-10-24_09-10-05.xad

Created: 10/24/2011 9:10:05 AM
Modified: 10/24/2011 12:41:38 PM

Electropherogram Summary Continued ...**Overall Results for sample 12 : GM 20756**

RNA Area: 5,556.4
RNA Concentration: 2,167 ng/μl
rRNA Ratio [28s / 18s]: 2.6
RNA Integrity Number (RIN): 9.8 (B.02.08)
Result Flagging Color:
Result Flagging Label: RIN: 9.80

Fragment table for sample 12 : GM 20756

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,685	2,061	912.5	16.4
28S	3,443	5,127	2,377.5	42.8